## SEQ ID NO:16 Rat Smooth Muscle Myosin Heavy Chain Gene Sequence (-4,216 to +11,795)

Nucleotide 1 corresponds to -4,216 bp relative to the SM-MHC transcription start site

へ . <b>ツ</b> ノ	)		amagaama.a		тататата		
\(\frac{1}{2}\)	/				TCTCTGTGTC		60
W. /					ACTGCTTTAT		120
10					CAGCAAGCCC		180
10					TCCACTTTTT		240
					CTCTTCCCCA		300
					TAGCACATGC		360
					AAAAAAGACT		420
1.5					CAGCCAGGGT		480
15					AAAAGAAAAA		540
					GAAAACAATT		600
					CTCTTCTTAA		660
£					GTTCTAGAGT		720
205					ACTTAAATGA		780
20					TTATGCAAGG		840
in the second					CCTAAGACAA		900
Li					AGAGCTGAGA		960
• .					GGGGTAAACA		1020
25					GGGAAGGCAG		1080
25					AACAAACTCC		1140
th					ACTCAGTGTT		1200
					GATAACCTAC		1260
i Pin					GTTAACTCTT		1320
te ref					ATTCTGGGCA		1380
30					CGAGAATGAG		1440
Ŋ					GCCAGTAAGC		1500
\$2 :00 					TAAAAACAAC		1560
					GCTTGCAGTC		1620
الما					CTGTGGTAGA		1680
35					ATGCACATCA		1740
					GGGCACCCCA		1800
					TCCTTCCACC		1860
					ATCCATAGTG		1920
4.0					TTGATGTAAT		1980
40	TCAGCTGTGC	TCCTTGGAGT	TTGACTTCAC	TGAAGCCTGC	TACAGGAGTG	CCCTTCCTTC	2040
					GGGTAGGTGC		2100
					CCGGTTTCCA		2160
					CATGCAGAGA		2220
4.5					TGCTCTGTCC		2280
45					AGATGTTTTC		2340
					ACTGGGGTTG		2400
	CACTGTATCA	AAGTCAACAG	GGGGGCTGTG	TGGCTTTTTC	ATATCCCAAA	GTCAGCTTGG	2460
	TGCTGGTTTC	CTAGGCTTCC	TGAGTCCGAC	AAAGGTGCAG	TGTGTTAATC	TCACACCACT	2520
<b>5</b> 0					TCGCCCCTTT		2580
50					TAAAGAGGCT		2640
					TGGCCAATTC		2700
					GCTGAGGACC		2760
					GCCAGGATCA		2820
					ACTGGGGTCC		2880
55					CAGGGGGAGC		2940
	CTGGTATGCC	AAGCTGGGAA	TTCTTGTTTC	GAGAATTGCG	CCTGGCCTTT	TTGGGTTGTT	3000
					GAGGGTCCGT		3060
	CGAGGCGTCC	CCGGCCTGGC	ATGAGGCCAA	CTCTGCCTCG	ACTTCCTTTT	ATGGCCTGAG	3120

	TGTGAGTGCA	TGGAGAGTGG	GAGGGAGGGA	GGGAGAGAGG	GAGGAAAGAA	AGCGGGGTGG	3180
	GGGGGTGGGG	GGGTGGGGGG	GTGGGGGGGT	GCGGAGAGCA	GAGACAGAGA	CAGAGAGACA	3240
					CAGAGAGAGA		3300
_					GACAGAGAGA		3360
5	GAGACAGACA	GACAAAAAGA	GAAGAGAGAC	AGAGACTTTA	GGGACGTAAT	CATCACAGGG	3420
	AAATCAAAGC	TAAGAGTGTG	ATGAAAAGAG	TGTCAGGTCA	GACAAAAGAG	ACAGGGGCCA	3480
	AGATCCGTAC	AGGGCTAAGG	GACACAGAGA	TTGAGAACAC	CGAGTGGTAA	GGGGGGCAGC	3540
					CATCCTCCAA		3600
							3660
1.0					TGTTATTGGT		
10					AAAACAAGTT		3720
	CACAGAGGAT	ATGCAGTGAC	TGTGCCGACT	TGTTTTTTT	TTTTTAAGTC	CCCTTCCCCC	3780
	CCCCGCCCC	GCCCCCGGCT	TGCTAAGCAC	AACCGGCTTC	GAATCTTAGG	AAGTGGCAGG	3840
	CGAATGAAGA	GGGGATGAGG	GAGAGAGGGT	GGCATCAAGT	CTCCAGTATG	TATGAACAGA	3900
					ATTCTCAAGT		3960
1.5							
15					CTGGGTGGCT		4020
	AGGCCTGAGG	CTGTGGGTCA	ACTTGCCAGC	AGCCCCCCTG	CGCCTGCGCT	AGGTGGTTCC	4080
	CAGAGGCTCT	GTTCCTCACC	TGCAGGGGGC	GCTGGGAAGG	GCAGAGGACC	CTCCCACCC	4140
	GCCCGGCAGT	CACCTCCCCT	TCCCCACCCT	CGGGTAGCGC	TGACTCTATA	AAGCCAGATG	4200
			transcription s				
20	######################################				» ma» amama»	CA TICCOA COT	4260
•					ATCAGTGTCA		4260
kaus l	CTCCATCCGG	TGTTCTCCTG	CTAGTCCACC	CCAGTAGCAG	ATCTGTAAGT	AGAAGTTGAT	4320
	CCCTTAGGGG	CAAGCCTGGG	CGGTGAGCTT	GAGCAGCTTC	TAAAACATCC	TCCAGGGAGT	4380
	GGGGACCCCA	AGGGGTTCTG	ATTGTCATCT	CTTATAAGGA	CAGTGGGAAG	AAGCCCGGTA	4440
L					GCACCAAACC		4500
25					TAATTAAAGG		4560
<i>کې</i>							
## I					GCAAACAAAA		4620
	AAAAACTAAC	TAGTGACACA	GTGGACAAGT	GAACTGTGGT	GGAAACTGTG	GGTCTGAATT	4680
	CAAATACCAG	TATTGAAAAT	AATAAGAAGT	CTGGGATAAA	TATCCACTGA	ACATCCCCAG	4740
ŧ	AATACTCAAA	ACATGGGTTA	AAGTTTAATG	ACTCTGAACA	CAGGCCGTGT	GTTCTTATTC	4800
30					CAAAAATGCT		4860
201							4920
F4- 4					TCCATTAAAA		
f i	TCCAGTTTGG	TTGGGCCCCC	AGATGCCCAG	GTGGGTGCTG	AGGCTCCATT	TGCATCCCCC	4980
	ACACTGAGTG	AGCAGACGAT	GGATTTTGGG	GCTCCTCAGT	GGGAAGGTTA	CTCTCAGGTC	5040
≰rian e anor	AGGGAGAGGA	GCTAGCAGAG	AAATTTATGC	TATTCCAGTT	CAGAATTGGA	GAAGTCTTGC	5100
3 <del>5</del>	CATGTCCAGA	AAGCACCCTT	CAAAGTTATG	TCTGTCAGAG	AACAGAAAAA	TTTTTTTGA	5160
- M					GAAAAACTGC		5220
1							
					CTTCGTTGGT		5280
	AGGTTTTTTT	TTAGTTCAGT	AATTCAATAT	GCTATTTTAG	ACTCAAAGAA	AGACAGGTCT	5340
	GAAAGTCTCT	CATAACAAGA	AACACTTTCT	CTTTTATGAT	GTTGTTGATG	GCACACTTAA	5400
40	CAAGCCAGGT	GCTTTAACAG	CGTTTAGATG	GAACTGGGTT	CTTTTAATCA	TCATATACAC	5460
	CTTACCTTGT	CTTGACATCT	CTGTTTTTCC	CAAAACCAAA	ATTTGTTGGA	CTCCTGTTTC	5520
					AAGATTGAAA		5580
					GATGTTGTTG		5640
	GATGTGGTAG	GGTTCCAGGA	GGCTGGCGTG	ATCTCAAACA	TGCCTGGGCC	AAGCCACCCT	5700
45	GGAGAAACCT	GGACTTTTAT	TATCAGATCT	GAAATAGAGC	CTCTTCCGTA	CAAGGTAGTC	5760
	ACTATGGATT	TATCATTACT	TTTCTGTGGG	AGGCTGGGCT	GGAGGCAGAC	ATGCCCTTGT	5820
	ATGGTAGTGT	TTTCTATGAG	GCCATTCCCA	GTCCCCCTTG	GCCAATCACC	CAGCCTTTCG	5880
					TTTCCCTGTA		5940
50					CTATTTGTAT		6000
50	GAAATTATAT	TCCACATATC	TAATAAGAAC	GGGTGGTGTT	TACATCTAAT	AAACCATTGA	6060
	ATAATTTTGA	AACAGGATAA	AGACGATCCT	TTTAGAAAAC	TATATCCCGT	TTCAAATACT	6120
	CAGAATCAGG	TCTTAACCAC	ATTATTTTGC	CAGGTATGGT	GGCTTGTGTC	TAAAATACTA	6180
					GGACTGCATA		6240
					ATAAAAAATA		6300
55							
J J					GTAAACCAGG		6360
					CCTATCTTTT		6420
	GATGCTGTTG	TCATTTTCCT	GATCACTTTC	CCATCTGCAG	AATGGGACTG	TTGAGAACAG	6480
	CCAGCGTGTT	AATGTTTCTG	TAGCACTTGC	TTAGTCTTCT	GAGAAGTAGA	AGATCACTTA	6540
					CTCATTAATT		6600
	CIRCUITI	C.11CCCCAIG	CAUCAA	. L. IOI I CORROR	OTOLITICAL I		

	СУСТУССССТ	тссалссалт	ል ርጥል <b>ልጥል ርጥ</b> ር	ттелетеслт	TTCATAAATG	тессетттеа	6660
					CTAAGCTTCT		6720
					TGTGAAGGGT		6780
					ATATGACTAG		6840
5					AACGGTGGCC		6900
5					ATAGTGGATT		6960
					ATCTATAGGC		7020
					AGGGAGAAGG		7080
10					GCGCTTCAGG		7140
10					TCAGGCCCAT		7200
					GTAGACTGGA		7260
					GTCACTGTCC	-	7320
					GCTCAAGATG		7380
1.5					GGTGGTAGCA		7440
15					CTAATGAAGC		7500
					TTCTTGCCAT		7560
	AGATTAGCAT	TTTCTCCCTT	TTTATTTCCC	TCCATTTTGC	CTGTCTGCAT	ATGCACTACT	7620
	AACAAACATT	CTTTCTTTCT	TTTTTTTTT	TTTCTTGGAG	CTGGGGACTG	AACCCAGGGC	7680
	CTTGCGCTTG	CTAGGCAAGC	GCTCTACCAC	TGAGCTAAAT	CCCCAGCCCC	GCTAACAAAC	7740
20	ATTCTTAAAT	AGAATTCTAA	ATTTTTTAAA	GTCAAATTTC	CCTTTTACTC	AAACCCTGGC	7800
,	ATTTTACAAA	ACATTTTTCA	CCTTATCACA	AATCTTCACT	ATCTTTTCTA	TATCTTTATA	7860
kani	TCATTGTATG	TTACTTTTTA	TCTGCTACGT	AGTATTCTGT	TACGTATTTA	ATAAAATATA	7920
	CTTGGTGCAT	GATGCCATGT	ATAAATGGCG	CTTGGGGAAG	TACCCGTGTA	CTAGTTGACT	7980
	GTTGCCCATC	AGAAATGCCC	AGGACCAGAA	ATGTTCCAGA	GTTTTCTTTT	CTTTTAAATT	8040
<b>25</b>	CTTTTTGATT	TTGGGATATT	TGCACATAAA	TAATTATATA	TTTGTATATA	AATAATGATA	8100
*1.	TATCCTGGAA	ACGAGCACTA	ATTCTTTTGT	TGCCTGTCTT	CTGGGTTTTT	TTTTTTTCTT	8160
TÚ.	TCCTTCTTTC	TTTTTGTTCT	TGGCCATCCT	GGAGCTCTCT	GTAGACCAGG	TTGTGCTTGA	8220
i. Ti	ACTATAGAGA	TCCTCCTGCC	TCTGCCTCCC	ACATGCTAAG	ACTAAAGGCA	AGAGCCATCA	8280
\$1.00 P	CACCCATCTG	TGAGCACAAA	TCTTGATATT	TCACCTTTGC	TTTATACAGA	TGGTTGTATA	8340
3 <b>0</b> .	GTCAGTCGTT	GTATTCGATG	TTTTTAATTC	TACATTTTCA	CTGTGACCTG	CTACATGAAA	8400
<b>!</b> :::= <b>!</b>	TTCAAATACA	AACTTGTCCA	CTCACACAAT	ATTGGCCCTC	AAAAAGCTGT	GAGCCTTTGA	8460
ja Br	ACTTTTGGGG	TTAAGAATGT	TTAGCTTGTA	TCCGTATTCT	TCGCTTGTAA	ACTCTCTTCC	8520
	TGTAATCACA	TGAGTTCCTA	GCAAAGAGGT	GAATAGATAG	CACATTGGGA	ATCAGCATCT	8580
CON \$1 (0)	GTCTCTAAAT	GGTCTTTGAA	AGAAACTGTA	GATACCTGCC	TGGACCAGCC	AGACCTGTGT	8640
35	CTTAGCACCT	ATTTTAAACA	TTGTTCTACC	TGAGTTGTAA	GATGCAAAAC	ATAGTGGGGC	8700
					GTGTGGAATA		8760
1 147	CAGCAGAAGG	AAGGGAGGAA	AGACGGGCAA	GGAGGGGAAG	GTGTTCATGT	GTATGGCTGC	8820
					GTCCTTCCAA		8880
					TAATTGGCTG		8940
40					AGCTCTCTCT		9000
					TTTTTAAAAA		9060
					CATGGATGTA		9120
					GGTTGTGAGC		9180
					GTACTCTTAA		9240
45					GAAGATCTAA		9300
					CATGACCTTC		9360
					TAGCCATTGG		9420
					GTGTGTGGCA		9480
					GGAGGTACCC		9540
50					AGGGAGTGAA		9600
30					CAAAAAAGGT		9660
					ATGTAAGTGA		9720
					CACTCTTACT		9780
					GCTTGCCCAC		9840
55					ACACTTGTAG		9900
55					GTAGTGAGTT		9960
					CAGATTTGAG		10020
					CATGCTTTTC		10020
					CTAGAACTAA		10140
	GIAIGICAAG	IGACITICIA	GACGCAGAIG	IGGCAICGAA	CIAGAACIAA	CALIALIGG	10140

	~~~~~~	3 mma amm3 am	a. aamaa. aa		3 C 3 3 CMM3 MM	3 maa 3 a 3 maa	10000
					AGAACTTATT		10200
					GAGACCAGCC		10260
					TGTACAAGTC		10320
_	TCTTCAGTAC	CTCGAATATT	GGCCAACTAA	AAGGAATGAA	TTTAGGGGTG	GGAATAAAGT	10380
5	TCAGATAGTA	GAGTGTCTGG	CTAGCATTCA	CAAAGCCCCA	AGTTTGACCT	CCAGCACTCC	10440
	AGAACCTGGA	TGTGGTAGAG	TACATCTATG	ATCCCAGCAC	TCAGGAGAAC	TTCAAAGTTA	10500
	TTCCAAGCTA	CATAATAATA	CAAGACCAGC	CTGGGCTACA	CAAGATCTTA	TCTCAAAAAG	10560
	CTTTGGTTTC	AAACTGGGGA	CAGTTTTCCC	TCTGGGAGTG	ATATCTAGCA	GTGTCTGGAC	10620
	CTCCTTTTGA	TGTCATGACT	AGGAAATGGT	GGATACTGGC	ATAGAGTGGG	CTGAACTCAC	10680
10	ACTGAACAGC	ACCAGAGAAC	CAGCCAGTGC	CAAGGCCAAT	AGTACAGGGG	CTGAGAAAAT	10740
					AAACCAAATG		10800
					AGTCATCATT		10860
					ACTCTGCCAC		10920
					TAACCCAATA		10980
15					ACTGTTTTTC		11040
13							11100
					TGTCACTGTC		
					ACAGTAAATG		11160
					TATGCCTGTA		11220
20					AGAAAGAGCA		11280
20					ACTGTAAAAG		11340
; ±0,					GAATGGTAAC		11400
1 · · · · · · · · · · · · · · · · · · ·	GGTTGTTTTG	CAATGCTGGG	GATAGAATCC	AGGGCTTAGA	GTATATTAGG	TTCCCTGCCT	11460
l ::	CTAAACTATA	TTCTCTAGTC	TTAAAAGTAT	TGTTTGCATT	GTTACTGTGT	TTTATGGTGG	11520
<b>.</b> .	GGGGATGGGA	ACCCAGGGAC	TGTAGCTTAC	TAAGTGTTCT	GCCTGTGGGC	TATACCCTAG	11580
25	CCACCTCCTA	GGACTTTGCT	GTTTATTTAT	TTATTTAGTT	TAGGGCTTTG	TTATTGATTT	11640
1	ATTAGTTAGT	TAATTTAGGG	GATTAAATGA	GAGAGTAATT	ATTACCTCAT	ATGGTTTAGC	11700
	AACTATTACA	AGCATGCTAG	TATCATTAAT	TTGTGGGACT	CTGAATTCTT	TCCAAGGCAA	11760
1-3	GTGTGTGTCC	AGTATTGTTC	TGGGAACCCC	TCCTTCCCTG	CAGGTTCATA	GGAGCAGAGT	11820
h :	GGTTTTCTGG	TTGTAAAATC	TGCCAAGAAC	TGGAATGTCC	TGTCTAGGCT	CTGCATCTTA	11880
30	GTGATGGGCA	AAAAAGATGT	AGTGTGTGTG	ACATTCATGT	GGTGGTGCAT	GCATGTGTGT	11940
					ACTCAATTGC		12000
) a. ii					ATACATGGCA		12060
f .d					CTGTTATTGT		12120
					TATCCTTGAT		12180
35					AAAGCATTCA		12240
					GCTTCACAAC		12300
1 de l					CCTCACTCCG		12360
					GCCCCGTTTT		12420
					GAACCTTTCG		12420
40							
40					GGAGGAATGA		12540
					ATCTATTACA		12600
					TTTATTTTGT		12660
					CTGACTTCAG		12720
15					GTGTGATGGG		12780
45					CCATCTTTCC		12840
					TATTTCATGG		12900
					TGCAGTGGTG		12960
	AGTCAGAGAC	AACTTGCAGA	AGATGGTTTG	CTCTTTTCAT	CATATGGGCC	CTGAGGATTA	13020
	AACTCAAGTC	ATCAGTTTTT	GTGCCAACCC	CCTTTACTCC	CCGAGCCTTC	TCTCAACAGC	13080
50	TCCTCACTTT	ACCTTTTTAT	TTAAAAAACA	AACAAACAAA	CAAACACCAA	CCCAGCCTCC	13140
	CACACAACAA	CGAAAAGATC	TCATGTAGCC	CCAGGGTGGC	TTTGAACTCC	CCATATAGCT	13200
	TAGGATGACT	TTGAATTCCT	AATGTTCTTG	CCTCTACCTC	CTAGTTACTA	TGCCTGGCTT	13260
	CTTACCATAG	AATTTAAGAA	ATTATCTAAG	GTAAAGTGGT	GTTATGTGCT	TATAAGCCAG	13320
	GCACTCAGGA	AGAAGCTAAG	GCATGATGAT	TGTGAGTTTG	AAGCCAACCC	AGGTTACAGA	13380
55					CTTAAATTTT		13440
					GGACATGAGT		13500
					TCTAGGGATC		13560
					CATGCACAGA		13620
					GGTGGAAGGT		13680
				J11111110	COLCONNOCI		13000

	AACATTCTAT	GTTATGGAAC	AAGTGCATTC	AATTTTACTA	AGTTTTTAAT	TTTAGCTTTT	13740
	TGTTTGTTTG	TTTTCTGTTT	GGAACAAGGT	CTTGTGTATC	CCAAGCATCC	TCAAAGTTGT	13800
	TGTGTAGCGA	AGGATGACCT	TGAATTTTTT	TATACTACTG	CCTTCTTGAG	GGCAAGCATT	13860
	TTAATATAGG	CAAAATAAAC	TTTAAACTTT	GTTTGCTGTG	CAGGTATATA	TGGTGTGCAA	13920
5	GTGTATCTGT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGAGA	GAGAGAGAGA	13980
	GAGAGAGA	GAGAGAGAGA	GAGAGAGA	GATTAGAGAA	TAACTTGTGG	AAGTTCTCTC	14040
	CTTCTACCCT	GTGGGTCCCA	GGGTAAACTC	GGGTTATAAG	GCTTTGCACC	CTTTTTCCCA	14100
	CTGAGAACTT	CTTGCTGGCC	TCACTCCCTA	TTTTATTTTA	TTGGTGGCAG	TACTATTGCT	14160
	TTTGAATCCC	ATCTGAAGCT	TGTTTTTGTT	GTTTGGTTTT	TAAGGCAGTC	TTAACTGTGA	14220
10	CCTAAGCTGG	TTTAAAACTC	ACAGGAATTA	TCCACCTCCA	CCTCCCAAGT	GTTGGGGTTA	14280
	CAGATGTGAG	CCCCAAGCCT	GAGTGCTTCT	GAAAGCTGCT	TTTTTTTATT	TCAAAACTAT	14340
	CTTTTCTCTG	TGTGTAGGTC	TGATTAGTTG	TGGGGTTAGG	TGGTGTCAGC	ATGATCCATC	14400
	ACTCTCCAGC	TATTATTCTT	AAAATGAAGG	GTCTGGGGGC	TGGGGATTTA	GCTCAGTGGT	14460
	AGAGCGCTTA	CCTAGGAAGC	GCAAGGCCCT	GGGTTCGGTC	CCCAGCTCCG	AAAAAAGAA	14520
15	CCAAAAAAAA	AAAAAATGAA	GGGTCTGGTG	GCTGAGGAAA	AAGCTCAGTT	GCAAAAAAAC	14580
	ATGAAAACCT	GATTCAATCT	GTAAAGCCCA	CATAAAAGCC	AGGCATGGCG	GCATGCACCT	14640
	ATAACCCCAG	CACTGGGGAA	ACAGAACAGG	AGAATACCAA	GAACTTGCTG	GTCAGTCAGT	14700
	CTAGTTTAAT	TGGTGAGCTC	CAAGCTCAGT	GAGACCCTGT	CTCAAAAATA	AATGGAGATG	14760
	ATCTGTCATC	AAGACCTGGC	CTCCATACAT	ATATGCACAC	ATGTTACTCC	CTCACATGAA	14820
20	ACATATTTAT	AAACAAACAT	ATGCACACAC	TTGTGCATAC	ATGAACAGAT	ATCTATATTG	14880
istăti Istai	GCATACACAT	TAAAACACAC	ACACACATAT	ATATATACAA	AAGTGTGTAC	AAACATAGGC	14940
	ATAGTATACA	ACCATGCATA	AATGCACAGT	CACACATATG	AATGCATTCA	TATTCACACA	15000
() ()	TGGACACATG	AACACATACA	TATATGCTAT	ATCTTATATT	ACACTCCATT	ACTATCCCCC	15060
1.7	AGTCCAGGTT	TCAAATATTT	ACAAACAGAA	AAGCGGGCTA	CTACCTGTAC	TTTTTCCCAA	15120
<b>25</b>	TTGCCTTTGA	ACAGCGATCT	CTCGACACCT	GATCCCCGCA	GTGCTCCCTG	CGGCAGAGCT	15180
t <sub>1. 1</sub>	TCATCCGGAA	ACAACCCCCA	TGCACTCTAT	TGATTTTAAT	ACTGGGGATT	ACCTGGAGCC	15240
1 1	TTGTAAAGCT	AAACACATTG	TCTACTGCTA	AATACTTCAT	TCTTTGCCCC	TTTCCCATGG	15300
	GGCGTTTTCA	ATCCAGTTAT	TTTTAGTGTG	TTCTTAGATT	TAAGCATCCA	CTAGTACAGA	15360
,	TTCAAGGATA	TTTTTATTAT	CCCCCAAATA	ACAGTATTTG	TTAGGTGTAA	CCTTGTAGTT	15420
30.,	TTTCCCCAGC	GGCTAATTTA	AATTGCTTTC	ATGAATAGCC	TATTCTGGAA	AAGTAATTTT	15480
istal I =	TTTTTTTTT	TTTTTTTTTG	GGTTCTTTTT	TTCGGAGCTG	GGGACCGAAC	CCAGGGCCTT	15540
ješi je j	GCGCTTCCTA	GGTAAGCGCT	CTACCACTGA	GCTAAATCCC	CAGCCCCAAT	TCTGGACATT	15600
	TCTTATAAAT	GTCACTATGC	TGTATGTGTT	CTTTCAGCAT	TGCAACACTT	TGGTTCCTTT	15660
ş12:11 <u>1</u>	TTATGGCTCA	ATACTGGTCT	ACTTATGGAT	CTACCACACT	ATCTATCCAT	TCATCTCAAC	15720
35					CTTGCTAGGA		15780
	CCACATCTTT	AGATGCACTG	ATGCATTCAT	TTATCCTAAG	AACAGATCCT	GGATCATATG	15840
					TTATAATAGG		15900
	TTGGGTATCT	TCTAACTGGG	TGGTGGTGGT	ACATGCCTGT	AGTCCCAGCT	CCTGGGAGGC	15960
	AGAGGCAAGT	AGATCCGAAT	TCTCGCCCTA	TAGTGAGTCG	TATTAGTCGA	C	16011
40						+11,795 (1st	intron)

## SEQ ID NO:17

## The 5' (-5086) and 3' limits of the Human SM-MHC Promoter-Enhancer LacZ Transgene Tested in Transgenic Mice

The number in the left margin refers to the position within an undefined BAC sequence contained in the public database (Accession # U91323 in GenBank). The start site (i.e. +1 position) of the SM-MHC gene corresponds to the BAC position 143,590.

			- !	5086 TTTAAA	ATTATTAAAT	CTTCTTTTTT	TTTTTTTGA
10	138541	GATGGAGCCT	CTCTCTCTAG	CCTAGGCTAG	AGTGCAATGG	TGTGATCTTG	GCTCACTGCA
	138601	ACCTCCACCT	CCCAGGTTCA	AGGGATTCTC	CTGTCTCAGC	CTCCCAAGTA	GCTGGGACTA
	138661	CAGGCGTGCA	CAACCACACC	CGACTAGTTT	TTGTATTTTT	AGTAGTGATA	GGGTTTTACC
	138721	ATGTTGGCCA	GGCTGGTCTC	GAACTCCTGA	CCTCAAGTGT	TCCCTCCACC	TTGGCCTCCC
	138781	AAAGTGCTGG	GATTACAGGT	GTGAGCCACT	GTGCCCGGCC	AAAAAATATT	AAATCTTGAG
15	138841	GCACATGCAG	GAGTAAGCCA	TGCTCAGACC	CAATCTTCGA	TGTTACTAAA	AATTGGAGGG
	138901	GATCACACTT	CATGGTTTTG	TTTTGTTTTG	TTTTTTTGAG	ACAGGGTCTT	GCTCTGTTGC
	138961	CCAGGCTGGA	GTGCACTGGT	ACGATCACAG	TTCACTGCAG	CCTCAAACTC	TGGGGCTCAA
	139021	ACAATCCTCC	TACTTCACTC	TCTAGTTGGG	ACTACAGGCA	CACACTGCTG	TGCTCGACTA
	139081	ATTATTATTA	TTATTATTAT	TATTATTATT	ATTATTATTA	TTATTATTTT	GTAGAGACAG
20	139141	GGATCTTGCT	ATGTTACCTA	GGCTGTTCTT	GAACTCCTGG	GCTCAAGCGA	TCCTTCCGCT
	139201	GCAGCCTCTC	AAAGTGCTAG	GATTACAGGC	ATGCCCAGCC	ACTTTGGGGC	TTTTTTAAGC
	139261	CAACAGCAAA	AAAAGACTAT	AAGAGAGAAA	TTTCCCCTTG	GCTGTCTTGT	TTCATGGATT
	139321	CGTGGAAACT	CCCATTAAAC	AGCCGGTCAC	AGAAAAAGAT	ATGCCAAGGA	AAATTACTTG
*:, <u> </u>	139381	ACAGCACTCA	GTCAAAGTGA	CATTTTAAAA	AGAGACTATT	GCCTCCTCCA	TCTTAAAAGA
25	139441	ACTGACCTTT	TGAGCCATGA	GAAATGAAAC	AGAGGCATCT	GATCGAATGA	TAACAATGCA
Ŋ	139501	CTTCTGAAGA	TTCAAACATC	GGAACTTCAT	GCATTGGACA	CATATCTATT	GAATGACTCT
(i)	139561	TAAGTGAACA	TACTGTCCCT	GCCTGCTTCC	AGAGGGTACT	AGAGAGGTCG	GAGATGGTTC
ir '	139621	ATAAAGGCCT	TCACATGTGC	TGTCATATTT	AACAATCAGA	AAGGTACTTG	AGGCAAAGAA
1- 15-5,	139681	TCTGATCATC	TTTGTTTTTC	CTTGAGAAAA	TGCGCTCAGA	GAGGTTTACT	GACAATCCCA
3 <del>0</del> -	139741	AAGGTGCTTG	GTTGGTGCTT	AAGAGATCTG	GGTTTAAAAC	CTCAGACTGC	TGTCTACTAT
jo €i	139801	GGCCTGTGTC	AGAAAGACTG	GGGTTGGAAT	TCCTGTTCCA	CCACTGCTGT	GTTATTTAAC
17.	139861	CCCTCCAAAC	CTAGATTCTC	AACAATAAAA	TGGGGGTAGG	GAGGGAATTA	AAGTATGTAC
\$-74 \$244	139921	CTTATTTTTT	AGAGACAACA	TCTTGCTCTG	TCGCCCAGGC	TAGAGTGCAG	TGGTGCAATC
	139981	ATAGTTCACT	GTAGTCTCAA	CCTTCCAAGC	TCAAGAGATC	CTCCTACCTC	AGCCTCCCTA
3 <b>5</b>	140041	GTAGCTGGAA	CTTCAGGCTA	CACTACGCCC	AGCTGCTATT	TATTATTTAT	TTATTTATTG
5 95	140101	AGATTGCATC	TCACCATGTT	GCCCAGGCTG	GCTACTTAAA	AAAAATTTTT	TTTTTCAAGA
	140161	CAGGGTCTCA	CTCTGCCACC	CAGGCTGGAG	TACAGTGACA	GAGTCTCAGC	TCACTGCAAC
	140221	CTCTGCCTCC	CAGGCTCAAG	TGATCTTCCC	ACCTCAGCCT	CCCAAGGAGC	TGGGATTACA
	140281	GGTACCCACC	ACCACACATG	GCTAACTTTT	TATTTTTTGT	AGAGACAGGG	TCTTGCTATG
40	140341	TTGCCCAGGC	TGGTCTCAAA	CTCCTGAGCT	CAAGCAATCC	TCCTGCTTTG	GCCTCCCAAA
	140401	GTGCTAGGAT	TACAGTTGTG	AGCCACCATG	CCTGGCCTTG	GCCACTTTAG	TTTTGCTTTT
	140461	TTTTTTTTTT	TTTGAGTTGG	AGTCTTGCTC	TGTCATCCAG	GCTCCCAGGC	TGGAGTGCAG
	140521	TGACACAATC	TCAGCTCACT	GCAACCTCTG	CCTCCTGGGT	TCAAGCAATT	ATCCTGCCTC
				CCACAGGTGT			
45	140641	TTTAGTAGAA	ATGGGGGTTT	CACCATGTTG	GCTAGGCTGG	TCTTGAACTT	CTGACTTCAA
	140701	GTGATCCGCC	TACTTTGGCC	TCCCAAAGTG	CTGGGATTAC	AGGCAAGAGC	CACCGTGCCC
				AATAAAGGGT			
				CTCCAGTTGT			
				AGAATCGAAT			
50	140941	TCTAGTATTA	ATGCCAGTTT	TTACTTCGAG	GCCAGCAAGC	TAGATTCCGA	TGGCCTTCCC
				TGATTGACTT			
	141061	CCACATCATT	TCTGTGCTGA	TGCAGGGACG	ATTTCCACTC	CTTTTACAGC	GTAGATGTTA
				CATTCATCAT			
				TTCTTGACTC			
55				GTGAAAACCA			
				GCAGAGCTCT			
				GAGGCCTGGT			
	141421	AGTAACAGCA	GCTCACATGA	AGCGGTGCAC	CATGTTCATT	TTACATGGAT	TCATCTCAAG

					GATGTTCTTC		
					CATGGTCATA		
	141601	CAGATTCAAA	GCCAGACATC	TACTCTCAGA	TACACGCCCT	GGGCCTCAAG	GCCAGTTTGC
	141661	CTGGGCATTT	CCCTTTAATG	TCTCCTCTCT	GGAAGTGAAT	GGTGTCATCA	GAAAGGTTCC
5	141721	AGTGCCAGCA	CCAATCAATG	ACTGTCCCAG	TGAGAGCTTG	GTCAAATCCC	TTTACCCCTG
	141781	CAGGGACTCA	ATTTTCTCAC	CTGCAAAATG	GGGGTATTAA	TAAAGCCACC	CCCCGCACCC
	141841	CCGGCCCCCA	GCCCCTCCAC	CTGGTTGCAA	GAGGAGTGGT	TGTAGACTAA	GGGCCTGCGT
	141901	CAAGTACAGA	ACCCAGGAGG	GGTCTGCCCA	ACTTTAACCC	TCTCTCCAAA	TCCTCTAGCC
	141961	TGAAGCAGCA	GAAACCCACG	TGGGACTGGG	GGCTGCCCCC	TTCCGGGCCT	TCCCCAAGCA
10	142021	GAGGGGTCCC	CATCTAGCCC	CGCGGGGCAA	CGGCGGCCGG	TGGCTGCGTG	AAGGGCCCCC
	142081	TCCCCCGACG	CCGGGGAGCA	GGAAGGCCAC	TCGGCACCAT	ATTTAGTCAG	GGGGAGCCGG
	142141	CAGCCCAGAG	CTGGTATGCG	GCGCTGGGAA	TTCCTGCAGG	AAGGAGTCCG	CGCCTGCCCT
	142201	TTTTGGGTTG	TCTCCCGCCC	GCCGCTCCCG	CCGCTCCCGG	GGAGGGGGAC	CGGCCCGGCC
	142261	CGGCCCGGCC	CGGGAACCTC	GGAGGAGCTG	GTGCCGCGCG	GGGAGCGGAG	CGCCCGGGCT
15	142321	GCCCGCGGGT	CCCCGGCCTG	GCGCGGGGCC	AGCCCACCGC	CTCGACTTCC	TTTTATGGCC
	142381	TGTGTGTGCG	TGCGTGGACA	GGAGCGGGGA	GGGAGGGACG	GGGAGAAGAC	GGAGAGCCTG
	142441	GGGAAGAGAG	AGAGAGAAAG	CGCAGAGATA	GGAGTGAGAC	ACGCGGGAGA	GATGGAGAGC
					ACAGGAGGGA		
	142561	TCTAGAGAAG	CGAGAGGGAC	AGAGACAAAA	GATAGAGCGA	GAGACAGCAA	TGATCAGAGT
20					GAGCGAGAGA		
					GGGAAGGGAA		
					GATCTTGACA		
					TTGTAGCTAT		
1.7					GGCGAGTGGC		
25					TTTTATTTGT		
-					GTAAAAACTT		
					TTGCAAAGTT		
					CAGACAGTGC		
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )					ACAGCCCCGA		
30					GACGTTCTCA		
30					GAGCGTCTGC		
<b>j</b> =-2 <sub>1</sub>					GTGCGCCCTT		
					TTGCGCTCCC		
ine \$15 de					TCCCCAACTC		
35					TAAAGAGAGG		
	143321	CITICCCAGC		SCRIPTION S		corcconcon	000001100011
114	143581	CATTTCCACC	CTCCGGCCTG	CCACCTCCCT	CAGATCCGAG	СТССССАТСС	Δαπππααπαπ
					GTAGTAGTTG		
					GTATTCTATA		
40					GGTGGGGGCA		
10					CTTTCCCCAA		
					TTAACGATAT		
					TGCCTTAAAA		
					TATGCTCCCT		
45					CTAGGCACCA		
13					GGGCAAAGTG		
					AAATCAGTTA		
					TTTAATCAGT		
					TGATCTAGTT		
50					CTCACCCAGG		
30					TGCTTCCACG		
					CTGTGTCAAT		
					TGCCTGTTGT		
					GGTACCATCC		
55					GGAGTGTTTA		
55					TTTGGCAAAA		
					TTTACTCAAC		
					TCATTAGGTG		
					TCCCTTTGAG		
	144301	GAGAAT ITTG	TITGAAGGAA	AIIGAIGIIT	ICCCITIGAG	AIAGCIACCG	TIGATGGAAC

	144961	ΔΟΤΤΟΔΩΤΩΟ	САСАТССТСТ	тсса а саттт	AACTTAATTT	מערער מעדעים	<b>λ</b> ΤΟΤΤΤΟΟ λ
					GTTTAGTATA		
					TAGAACCCAT		
					TTCTTTACCA		
5					ACAAAGTAAA		
5					TTAAAATAAA		
					CCCTAGGTGG		
					AGCCGCCAGG		
10					GTTATTCCGT		
10					GAGATTGAGG		
					CTCGTCAGTT		
					ACCATGTCCC		
					GGAAAGTGGG		
15					GGGGTGGGAG		
13					CGTTAGGCAC		
					AGTTCAATAT		
					CCGCACCTCC		
					GTTTTTTGGG		
20					TTCATAACAA		
20					GAGTCTGAAT		
la:					AATCTAGGTC		
f=2:2					CTAATGTGTA		
					TTTATAGCAA		
25					TGGCAGAACC		
					TTCCCTTTGA		
1 <sub>1</sub>					AATATATTAA		
					GTTTAGGGTT		
m					TGCAGTGGTG		
30					GCCTCAGCCT		
30					AATTTTTTGT CGCTGACCTC		
jaš,					GCCACCGCGC		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					TCTCTAGGTC		
5-4 45-4					AGGAAAGACT		
35					CAAGGACAGA		
					TGTATCAGGG		
113					ATAGAGGCCA		
					GGGGATGGCT		
					CTACAAAAA		
40					TCAGGAGGTT		
					CCCTGATTGC		
					AGGTGAGGGG		
					AGTGACTTGC		
	147541	TTGGGCAGAG	CTGAGACTTG	TAACTCGAAG	ACCTAAGGAT	CTTCCACAGG	CTAATGAATA
45	147601	GCTTGTTTGT	GCTCAAGGGA	TGAAGCAGTG	AGTTGTTAGG	ACAGGACTGT	GAATAGGGCT
	147661	GACATATTCA	GATGTGTCAA	ACATCGCTAA	TGCCATCTCT	GAGTAAATTA	GGCTTCAAAC
	147721	AGATCGGGAT	TCTAATCCTG	GTTCCCCAAC	TTTTGCAAGG	GAGGGCCTTG	CATTTACCTT
	147781	TCAAGACCCC	GATAGGCTTA	GCAGGAAAAT	GGGAATAATA	GATAATGCCA	CTCTTTCATC
	147841	CTTGGACTTT	TTGTCTAATT	ATATGAATTT	ATCTGTAGGA	TAAATTCCCA	GAAATGCGCT
50	147901	TGCTGAGTTA	AAGGGCATGC	GTATCTAAAA	TTAATAGATA	TTGCAAATGA	CTGGCTAAAG
	147961	ACATTGCAGA	CCAGGTGCAG	TGGCTCACGC	CTGTAATCCC	AGCACTTTGG	GAGGCCGCAG
	148021	CAGGTGGGTC	ACCTGAGGTC	AGGAGTTCAA	GACCAGCCTG	GCCAACATGG	TCTCTGCTAA
	148081	ACCCTATCTC	TACTAAAAAT	ACAAAAATTA	TCTGGGCATG	GTCGTGGGCA	CCTGTAATCC
	148141	CAGCTACTCG	GGAGGCTGAG	GCACGAGAAT	CGCTTGAGCC	TCAGAGGCAG	AGGTTGCATT
55	148201	GAGCCGAGAT	CACACCACTG	CACTCCAGCC	TGGGCAAAGA	GTGAGACTCG	GTCTCAAAAA
	148261	AAAAAAAAA	AAGGCATTGC	AAATTGCAAC	TTGTTGCAGT	CACATATGAC	AGCAGTCCCC
	148321	ATCCTCTTGG	CACCAGAGAC	TGGTTTCGTG	GAAGACAATA	TTTTCCAGGG	TGGAGTGGGG
	148381	AGGATGGTTT	TGGGATGAAA	CTGTCCCACC	TCATCATCAG	GCATTGGTTA	GATTCTCATA
	148441	AGGAACGTAC	AACCTAGATC	CCTTGCAGGT	GGAGTTGGCA	ATAGGGTTTG	TGCTTCTGTG

	148501	ΔΔΔΤΟΤΔΔΤ	сстссттатс	TGACAGGAGG	CGGAGCTTAG	GCAGTGATGG	тсастсассс
					CTAACAGGCC		
					ATACATTTAT		
					TTAGGGCCAG		
5					GTAACTCTTG		
3							
					GAACTTCTTT		
					AGGCAATAAG		
					CTTTCTTGGG		
1.0					ATGGTGGAGT		
10					ATTTACTCTT		
	149101	TTCTGGATTG	TACTCCTGAC	TCCAAATTTT	ACAAGTGGGG	GTCTTGCATT	TACCTTCCAG
	149161	GACCTCGGTC	ATCTTAGCAG	GAAAATAGCA	ATAGCAGGTG	ATGCCACCTT	ACAGAGCGCT
					GCTGTCTGGC		
	149281	GGGGCCCAAT	AAATACAGTG	GCTGTTATGA	ATAATAGATC	TAAACTGCCT	TTTTGGTACT
15	149341	ACTGGGGACC	TGCCAAGCAG	GTGCATTTAG	AGTGCCCAGT	GCCTCTCCCT	GCGACACATT
	149401	TGATGCCTCC	CTACACCTGG	ACCAGGCCTT	GAGCGAGGAT	TTCCACTGCA	GAGGTCCTTC
	149461	CAGCTGGCGA	ATTGTGTTGC	AGATCAGGTT	CAGAGAACTT	CTGTTTTGCC	TGTGTGGCAT
	149521	TCATTCATTC	GTTTATTTGA	AATAGAGATG	GGATCTCACT	GTGCTGCCCA	GGCTAGTCTA
	149581	GAGCTCCTAA	TTCAAGCAAT	CCTCTTGGCT	TGGCCTCCCA	TAGTTCTTGG	ATTACAGGTG
20	149641	TGAACCACTG	TATCCAGCCC	TTTATGACAT	TTAGAATATG	AGCAATTTTT	CTTTTTTCTT
je is					GTCACCCAGG		
					CTCAAGCGAT		
					TGCCTGGCTA		
					TGTCAAACTC		
25					ACGTGAGCCA		
					TGGTCTGGGT		
<b>1</b> ,					GGTCCAAAAT		
(F1					TGAGGTGATG		
zin.					TATTTATTTT		
30					CTCAGCTCAC		
ja Š					AGTAGCTGGT		
H					GACGGGGTTT		
# 1:4 # 71					TGCCTCGGCC		
i i i i i i i i i i i i i i i i i i i					ACTTTTTATT		
35					AAAATGAAAC		
[]al					CAGCCCTTTG		
					CCATTGATTT		
					CAGAGTCACC		
40					TCCAGAGGCT		
40	150841	TCAAAAAATG	AAGCAGCCTG	GGCGCGGTGG	CTCATGCTTG	TAATCCTAGC	ACTTTGGGAG
					AGTTTGAGAC		
	150961	GACCCCTGTC	TCTACAAAAA	AATGCAAGAA	TTAAAAAATT	AGCTGGGTGT	TCTGGTGCGT
	151021	GCCTGTGATC	CCAGCTACTT	GGGAGGCTGA	GGTGGGAGAA	TGGCTTGAGC	CTGGGAGGCA
	151081	GAGTTTGCAG	AAAGCAGAGA	TCGCGCCACT	TCACTCTAGC	CTGGGCAACA	GAGCCAGACC
45	151141	CTGTCTCAAA	AAAAAAGAAT	GAAGCAGTTG	TTGGTCAGGA	CAGGACTGTA	AACAAGGCTG
	151201	ACACACTCAG	ATGTGTCAAA	CATCGCTAAT	GCCAAAGGTG	ACAGAGTCAT	TTGTTTTCAT
	151261	CCAAACATTC	GAGAAAGTTG	GACGAGGTGA	CTCACGCCTG	TCATCCTAGA	GCTTTGGGAA
	151321	GCCAAGGCAG	GAGGATCATT	TGAGATCAGG	AGTTTGAGAC	CAGCCTAGGC	AAAATAGCAA
	151381	GACCCCCATC	TCTACAAAAA	ATAAGCCGGG	CATAGTGGCC	CACACCTGAG	GTGGGAGGAT
50	151441	CCCTTGAGCC	CATGAGTTTG	AGCCTGCAGT	AAGCTATGAT	TGCACCACTG	CACTCCACCC
	151501	TGGGCATATA	GTGAGACCCT	TCCCCCAACC	AAAAACATTG	AGAGCAGCTC	TTGATGAGTG
	151561	AACTGTACTT	CGTGGTCAGC	AGTTCTGGGT	AGTAATTTCA	GAGATGTCCT	TTCAGCCCTT
					ATGGTGGAGG		
					TGGGCCAACT		
55					TGCAGTTGGT		
					TTTCCCAAGA		
					GCCACCCCAG		
					AGGGGTGCTA		
					CACGGAAGAG		
	TOTART	DIADUDATA	CIGCGGAACA	TCCCACAATG	CACGGAAGAG	CICCCICAC	GACACAGAAT

							a. aaaamam.
						TGCGGTGGCT	
						AGGCCTGGAG	
	152161	GCCTGGCCAA	TATGGTGAAA	CCTCATCTCT	ACTAAAAATA	CAAAAATTAG	CCAGGCATGG
	152221	TAGCGCATGC	CTGTAGTCCC	AGCTACTTGG	GAGGCTGAGG	CACGAGAATC	ACTTGAACCC
5	152281	AGAAACGTGG	AGGTTGCAGT	GAGCTGAGAT	TGCGTCACTG	CACTCCAGCC	TGGGTAACAG
						CTTAGCAACT	
						CAAAAATTTG	
						ATGTTGTTTT	
						CCAGAGACTC	
10	152581	TTGTGTGTTT	TGTGTCTCAA	TGAGGGAAAG	GGGAATATGT	AGCACCTTCC	AGATGGATTT
	152641	GACCTTGACT	GCGCCACTGT	TTGAAGAGCT	TCTCAACCTC	CGCAGCTCCA	CCCCAGCCCA
	152701	GATATTTCAG	GGAATTAGGG	TTCCAAGGG	CATGCTATGG	AAAACACCAT	TCTAGCATGA
	152761	GTCGAAGCTT	CTCATCCCCC	ATCTTGCTGT	CTTTTGACCA	AAGCAGATTT	TGCACGTCGT
						TCCAAGCTCT	
15						TAAGTCTGAG	
13						GTTGTAGCTT	
						AGAGCCCACT	
						CGAGGCAGGC	
						AACCCCGTCT	
20	153181	TACAGGAAAA	TAGCTGGGCA	TGGTGGCAGG	TGCCTGTGGT	CCCAACTATT	TGGGAGGCTG
	153241	GGGTGGGAGG	ATCACTTGAG	CCTGGGAGGC	GGAGGTTGCC	GTGAGCTGAG	GTCATGCCAC
	153301	TGCACTCCAG	CCTGGGCGAC	AGAGCAAGAC	CCTGTCTCAG	AAAAAAAAA	AAAAAAAA
	153361	GAAGTCCACT	TTACTTGTCA	TAGTGCTTAG	AACAAATGAA	ACACTCTCCT	AGCCCTCTTG
						GCACAAGAAT	
25						ATGTTAGCTG	
						CAACCAAAAA	
4.7		ATGTGCAAAA					TATAGATGGG
ijñ.						TCATGGCTCA	
40						GAGTAGCTGG	
30						AGACAAGGTT	
						CTACCTCAGT	
þó.	153901	GGTAATTAAA	AAACATTTTT	TCTTAGAGAT	GGGTCTTGCT	GTGTTGGCCA	GGCTGGTCTC
<u>[]</u>	153961	AAACTCCTGG	GCTCAAGTGG	TCCTCCCATC	TTGGCTTCTC	AAAGTGCTGG	GATTACAGGC
¢iĝ:2+	154021	GTGAGCCATG	TCACCTGGCC	CAACAGTTTG	ATGAATTTTC	AGAAAGTGAA	CACTCATAGG
35	154081	GCTGGCATTC	AGATGAAGAT	CTAGAGGTCA	ACCCTCACAA	GCCCCCTCA	CGTTCTGTCC
T.J	154141	TTGCAATCAT	TGCACACCGG	AGACTCATTC	ATTCCTTATC	TGAGTTCTAT	CACCGTAGAT
1	154201	TAATTCTGCC	TGGTTTTGGA	CCTCAGTTCA	ATAGTCACAG	AACCTGTGCT	TTTTGTGACC
	154261	ACCTTCTTTT	GCTCAAGGAT	GTGTTGTGAG	ATGTCCTTTT	TTGTGGTGTG	GAGCTGTAGT
						TGTGTCAGGT	
40						CCCACCCACC	
••						GTCCCAGCTC	
						AGTGTAGTGG	
						CTGACTCAGC	
4.5						TTAATTTTTG	
45						CTCCTGACCT	
						AGCCATCACA	
	154801	TTGTGATCAA	TCTTACTTCA	TCTTCACACC	CTCCCATTTC	TCTTACGCAT	CCTCCAGTTT
	154861	CTCTCTCTCT	CTCTCCTTCT	TTTTCTCTCT	CTCTCTCA	CACACACACA	CACGATCTGC
	154921	TGCGACACCT	TAAGAAACAA	GAGATTATCA	GGGAATGATT	GAATATTTTG	CCGCATTTCC
50						AAAAGAAGAC	
	155041	AAGCCACTTC	TGTGACTATG	GCTGTCCAGA	AATAAACATA	ATTAAAACAT	CCAACAGTAG
						CACCGGAAGT	
						ATCTTTTGGC	
55						ATACACTAGC	
55						ATCATACTGT	
						GCCCCATGCA	
						CTTCATGGCA	
						AGTCTCAGAT	
	155521	CACCCAGAAG	CACGCATTCT	GCAGTGGCAG	AGTCACGTTT	GAATTAGCAT	CTGATTGCAA

	155581	AGTCTGGGTG	TCTTTACATG	ACTACAGGTT	ATCTTACCTC	TCAAGAGGAG	GCAACCAATC
	155641	AAATGTTGCC	AGCACCAATG	AACTTGTACT	TTATTTAGGC	TCAGAAAGAT	CTTTTAGGCT
	155701	AATGAAAATG	CCCTATATTT	ATGAAATGTT	CTCGTTCTCT	GTGGCTTTCT	CTTTTTTGAG
	155761	ACAGGGTCTC	ACCCTGACAC	CCAGGCTGGA	GTGCAGTGAT	GTAATCATAG	CTCACTGCAG
5	155821	CCTCAAACTC	CTGGGCTCAA	GCAACCCTCC	TGCCTCAGCC	TCCTAGTAGC	TGGGACTACA
	155881	AGCACGCATC	ATCATGCCTG	GCTGATATTT	TTTTTAAGGG	ATGGGGTCTT	GCTATAATGC
	155941	CCAGTCTGGT	CTCGAACTCC	TGGGCTCAAG	CAATCCTCCT	GCCTTGGCCT	CCCAAAATAT
	156001	GGGATTATAC	ATGTGGGCTA	CTGCCAGCCT	CTTTTCTTTC	AATTATTTTT	TAATCTATGG
	156061	GTTCCCCTCC	TTTTTGTTTG	TATTTTATTT	GTTAAAGAAA	GAGAGTACTG	GCCGAGCGTG
10	156121	GTGGCTCACA	CCTGTAATGT	CAGCACTTTG	AGAGGCCAAG	GCCGGTAGAT	CACCTGAGGT
	156181	CAGGAGTTTG	AGACCAGCCT	GGACAATATG	GTGAAACCCC	GTCTCTACTA	AAAATACAAA
	156241	AATCAGCCAG	GCGTGGTGGC	ATGCACCTGT	AATCCTAGCT	CCTCGGGAGG	CTGAGGCAGG
	156301	AGAATCACTT	GAACCTAGGA	GGTGGAGGTT	GCAGTGAGCC	AAGATCCCGC	CATTGCACTC
	156361	TAGCTGGGCG	ACAGAGCATA	GTCTCTCACC	TTTGGGAGTT	TACTGCATTG	TTTAGCATGC
15	156421	TCTCCTGTGC	CTTGCATTTT	CCATAGACAG	GCGTCAGATC	TGGAGGCTTC	ATCACCTTCA
	156481	TCCCCCATCT	CCATCCCCTT	TTCTTTTGAG	CAAGAATATG	TCATTAGTGG	TAACGGCACT
	156541	TCCTGTAGTG	GCCCATCTGC	AGGCATGTAA	TGTTTATAAT	GTCTAGTCAG	CTCTCTCTTT
	156601	TTGTGATGTT	AGGGTTAATT	AGTAGATTTA	GGTGATGGCA	GGCGGACCCA	TCCCTTAAAA
	156661	ATTCCACAAG	AGCTCTTCAT	CTGATATAGT	CAGTCTTGTG	GTGGGGACCC	TAGACCAGCA
20	156721	TCATCATCAT	CACCCGGAAG	CTGGTTAGGA	ATGCATATTC	TTGGGCCCCA	TCCCAGTCCT
∳otoži pracij	156781	ACTGACTCAG	AAGCTAATGC	ACCAGGAAAT	GTGAGCCCCA	TTGGCCTAAT	GGTTTTAGCA
lad Jan	156841	ATTACTGGTA	GAACTTGCCA	ACTTGCCAAG	ACCCTTTCTT	TCTTCCTTTC	TTTCTTTTTT
is d	156901	TTTTTTTGAG	ACGGAGTCTC	ACTCTGTCGT	CCAGGCTGGA	GTGCAGCGGC	GCATCTCCAC
<u>.1</u>	156961	TCACCCACTC	ACTGCAAGCT	CCGCCTCCCA	GGTTCACACC	ATTCTCCTGC	CTCAGCCTCC
25	157021	AGAGTAGCTG	GGACTACACG	CGGCCGCCAC	CACGCCCGGC	TAATTTTTTT	TTTTTTTTTT
1	157081	AGTAGAGACA	GGGTTTTGCC	GTGTTAGCC +	+13518		
HJ							
Lin.							
• •							